

WHAT IS CLAIMED IS:

1. A rechargeable nonaqueous electrolyte secondary battery comprising a positive electrode which can be doped with lithium ions and de-doped of lithium ions, a nonaqueous electrolyte solution and a negative electrode, wherein a negative electrode active material consists essentially of a carbon material including at least two component:

(a) flake graphite particles; and

(b) a non-flake graphite material whose surface is covered with amorphous carbon.

2. The nonaqueous electrolyte secondary battery according to claim 1, wherein a ratio of (a) said flake graphite particles is within a range of 10 to 70 wt% of all the carbon materials.

3. The nonaqueous electrolyte secondary battery according to claim 1 or 2, wherein the specific surface area of (b) said non-flake graphite material whose surface is covered with amorphous carbon is within a range of  $0.3 \text{ m}^2/\text{g}$  to  $3 \text{ m}^2/\text{g}$ .

4. The nonaqueous electrolyte secondary battery according to claim 3, wherein (b) said non-flake graphite material whose surface is covered with amorphous carbon is

obtained by graphitizing mesocarbon microbeads.

5        5. The nonaqueous electrolyte secondary battery according to any of claims 1 to 4, wherein a weight average particle diameter of (a) said flake graphite particles is within a range of 10  $\mu\text{m}$  to 80  $\mu\text{m}$ .

10       6. The nonaqueous electrolyte secondary battery according to claim 5, wherein (a) said flake graphite particles are artificial graphite obtained from petroleum pitch or coal pitch as a raw material.

15       7. The nonaqueous electrolyte secondary battery according to any of claims 1 to 6, wherein said carbon material consists solely of (a) said flake graphite particles and (b) said non-flake graphite material whose surface is covered with amorphous carbon.

20       8. A method for manufacturing a nonaqueous electrolyte secondary battery, said method comprising steps of:

applying a slurry onto a current collector; the slurry comprising (a) flake graphite particles, (b) a non-flake graphite material whose surface is covered with amorphous carbon, a binder, and a dispersion medium;

25       drying the slurry; and



on material composition  
graphite particles; and  
Flake graphite material  
ous carbon;  
tio of (a) to (b) being

(b) a non-flake graphite material whose surface is with amorphous carbon;

a weight ratio of (a) to (b) being 10:90 to 70:30.

add  $r^s$

[illegible]